

| L Number | Hits | Search Text | DB | Time stamp |
|-------------|-------|---|--------------------|---------------------|
| 2 | 36153 | 719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls. | USPAT; US-PGPUB | 2004/04/30 14:06 |
| 3 | 3141 | hardware with (abstract\$ or access\$) with interface | USPAT; US-PGPUB | 2004/04/30 10:35 |
| 4 | 5359 | (hardware or device) with (abstract\$ or access\$) with layer | USPAT; US-PGPUB | 2004/04/30 10:36 |
| 5 | 4 | (test or diagnos\$) with driver with device with (class or type) with parallel\$ | USPAT; US-PGPUB | 2004/04/30 15:17 |
| 7 | 17 | ((test or diagnos\$) with driver with device with (class or type)) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.) | USPAT; US-PGPUB | 2004/04/30 13:46 |
| 8 | 15 | ("5379414" "5459867" "5557740" "5630049" "5687376" "5745761" "5774640" "5778226" "5867710" "5910180" "5983366" "5983368" "6009476" "6073253" "6182242").PN. | USPAT | 2004/04/30 11:28 |
| 9 | 13 | ("4327408" "4347608" "4591973" "4617663" "4638455" "4779196" "5033049" "5218605" "5278977" "5301325" "5303166" "5361336" "5361346").PN. | USPAT | 2004/04/30 11:37 |
| 10 | 7 | ("4718064" "5337412" "5390301" "5465364" "5499378" "5586324" "5949993").PN. | USPAT | 2004/04/30 11:52 |
| 11 | 1480 | driver with bypass\$ | USPAT; US-PGPUB | 2004/04/30 13:47 |
| 12 | 94 | driver with bypass\$ with mode | USPAT; US-PGPUB | 2004/04/30 13:48 |
| 13 | 13 | driver with bypass\$ with mode with device | USPAT; US-PGPUB | 2004/04/30 13:51 |
| 14 | 2 | driver with bypass\$ with mode with display | USPAT; US-PGPUB | 2004/04/30 13:51 |
| 15 | 4 | (test or diagnos\$) with driver with device with (class or type) with parallel\$ | USPAT; US-PGPUB | 2004/04/30 13:55 |
| 16 | 0 | (test or diagnos\$) with driver with device with (class or type) with concurrent\$ | USPAT; US-PGPUB | 2004/04/30 14:49 |
| 17 | 36 | (test or diagnos\$) with (hardware or device) with access\$ with layer | USPAT; US-PGPUB | 2004/04/30 14:50 |
| 18 | 8 | (test or diagnos\$) with (hardware or device) with access\$ with layer with interface | USPAT; US-PGPUB | 2004/04/30 13:57 |
| 1 | 70 | (test or diagnos\$) with driver with device with (class or type) | USPAT; US-PGPUB | 2004/04/30 14:06 |
| 19 | 324 | (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.) and ((hardware or device) with (abstract\$ or access\$) with layer) | USPAT; US-PGPUB | 2004/04/30 14:06 |
| 20 | 4105 | 719/3\$.ccls. | USPAT; US-PGPUB | 2004/04/30 14:08 |
| 21 | 161 | 719/3\$.ccls. and ((hardware or device) with (abstract\$ or access\$) with layer) | USPAT; US-PGPUB | 2004/04/30 14:06 |
| 22 | 70 | (test or diagnos\$) with driver with device with (class or type) | USPAT; US-PGPUB | 2004/04/30 14:07 |

| | | | | |
|----|-----|---|----------------------------|------------|
| 23 | 2 | 719/3\$.ccls. and ((test or diagnos\$) with driver with device with (class or type)) | USPAT; | 2004/04/30 |
| 24 | 402 | 719/321.ccls. | US-PGPUB | 14:07 |
| 25 | 41 | ((hardware or device) with (abstract\$ or access\$) with layer) and 719/321.ccls. | USPAT; | 2004/04/30 |
| 26 | 14 | ("5586304" "5664195" "5715463" "5764992" "5802365" "5870610" "5892928" "5892953" "5910180" "6006034" "6009274" "6023585" "6167567" "6378006").PN. | US-PGPUB | 14:08 |
| 27 | 8 | (test or diagnos\$) with driver with device with kernel with module | USPAT; | 2004/04/30 |
| 28 | 41 | (test or diagnos\$) with driver with device with capability | US-PGPUB | 14:45 |
| 29 | 0 | (test or diagnos\$) with driver with device with capability with (regist\$ or broadcast\$) | USPAT; | 2004/04/30 |
| 30 | 41 | (test or diagnos\$) with driver with device with capability | US-PGPUB | 14:46 |
| 31 | 0 | (test or diagnos\$) with driver with device with (class or type) with concurrent\$ | EPO; JPO; DERWENT; IBM_TDB | 2004/04/30 |
| 32 | 12 | (test or diagnos\$) with (hardware or device) with access\$ with layer | EPO; JPO; DERWENT; IBM_TDB | 14:49 |
| 33 | 9 | ("4974151" "5014193" "5317695" "5319751" "5339432" "5418960" "5432941" "5459867" "5465364").PN. | USPAT | 2004/04/30 |
| 34 | 698 | (test or diagnos\$) with kernel | USPAT; | 15:05 |
| 36 | 46 | (test or testing or diagnos\$) adj kernel | US-PGPUB | 2004/04/30 |
| 37 | 20 | (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.) and ((test or testing or diagnos\$) adj kernel) | USPAT; | 15:18 |
| 38 | 15 | (test or testing or diagnos\$) adj kernel | US-PGPUB | 2004/04/30 |
| 39 | 8 | ("3748650" "5287504" "5548784" "5586268" "5628029" "5680620" "5784615" "5874960").PN. | EPO; JPO; DERWENT; IBM_TDB | 2004/04/30 |
| 40 | 1 | (test or testing or diagnos\$) adj kernel with interface | USPAT | 15:44 |
| 41 | 34 | (test or testing or diagnos\$) adj kernel | USPAT | 2004/04/30 |
| - | 17 | ((test or diagnos\$) with driver with device with (class or type)) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.) | USPAT; | 2004/04/29 |
| - | 409 | (hardware with (abstract\$ or access\$) with interface) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.) | US-PGPUB | 16:54 |
| | | | USPAT; | 2004/04/29 |
| | | | US-PGPUB | 16:54 |

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|---|------|--|---------------------|---------------------|
| - | 0 | ((test or diagnos\$) with driver with device with (class or type) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.)) and ((hardware with (abstract\$ or access\$) with interface) and (719/3\$.ccls. or 714/\$.ccls. or 717/\$.ccls.)) | USPAT; US-PPGPUB | 2004/04/29 16:55 |
| - | 0 | ((test or diagnos\$) with driver with device with (class or type) and (hardware with (abstract\$ or access\$) with interface) | USPAT; US-PPGPUB | 2004/04/29 16:55 |
| - | 4105 | 719/3\$.ccls. | USPAT; US-PPGPUB | 2004/04/29 16:55 |
| - | 140 | (hardware with (abstract\$ or access\$) with interface) and 719/3\$.ccls. | USPAT; US-PPGPUB | 2004/04/29 16:55 |
| - | 1022 | hardware with (abstract\$ or access\$) with layer | USPAT; US-PPGPUB | 2004/04/30 10:36 |
| - | 99 | 719/3\$.ccls. and (hardware with (abstract\$ or access\$) with layer) | USPAT; US-PPGPUB | 2004/04/29 16:56 |
| - | 309 | hardware with (abstract\$ or access\$) with layer with interface | USPAT; US-PPGPUB | 2004/04/29 16:56 |
| - | 314 | hardware with (abstract\$ or access\$) with layer with interfac\$ | USPAT; US-PPGPUB | 2004/04/29 16:56 |
| - | 30 | 719/3\$.ccls. and (hardware with (abstract\$ or access\$) with layer with interfac\$) | USPAT; US-PPGPUB | 2004/04/29 16:57 |
| - | 7 | ("5115392" "5691985" "5740467" "5797043" "5805920" "5809501" "6052744").PN. | USPAT | 2004/04/29 17:03 |

Search Results: "test kernel"

| Hits | Document | Modified | Location |
|-------------|---|---------------------|--|
| 8 | DEC OSF/1: Kernel Debugging Guide 3.0 | 04/25/1998 03:37:20 | \ws05324\ArtCollection\ipc.tm\DEC\unix\Pro |
| 8 | DEC OSF/1: Kernel Debugging Guide 3.0 | 04/25/1998 03:37:20 | \ws05324\ArtCollection\ipc.tm\DEC\unix\Pro |
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| 2 | DEC OSF/1: Documentation Overview, Glossary, and Master Index | | 04/13/1998 00:41:06 |
| | \ws05324\ArtCollection\ipc.tm\DEC\unix\Introduction | | |
| 2 | The Amoeba Reference Manual System Administration Guide | | 08/15/1997 15:24:18 |
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Search Results: " (test or diagnostic) w/5 kernel"

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| 22 | DEC OSF/1: Kernel Debugging | 04/25/1998 03:37:20 | \ws05324\ArtCollection\ipc.tm\DEC\unix\Pro |
| 16 | The Amoeba Reference Manual System Administration Guide | | 08/15/1997 15:24:18 |
| | \ws05324\ArtCollection\ipc.tm\os\AMOEBS | | |
| 13 | NORMA IPC Version Two: Architecture and Design | | 10/28/1997 01:19:58 |
| | \ws05324\ArtCollection\ipc.tm\os\MACH_OSF\VOL3 | | |
| 13 | NORMA IPC Version Two: Architecture and Design | | 10/28/1997 01:19:58 |
| | \ws05324\ArtCollection\ipc.tm\os\MACH_OSF\VOL3 | | |
| 12 | p122-draves.pdf | 05/05/1998 18:42:18 | \ws05324\ArtCollection\acm\sosp\1991 |
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| 6 | p223-bershad.pdf | 12/23/1997 18:56:54 | \ws05324\ArtCollection\acm\asplos\1992.1 |
| 4 | Cohabitation and Cooperation of Chorus and MacOS | | 11/30/1997 02:30:12 |
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| 4 | The Amoeba Reference Manual System Administration Guide | | 08/15/1997 15:24:18 |
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| | \ws05324\ArtCollection\ipc.tm\DEC\unix\Introduction | | |
| 3 | DEC OSF/1: Documentation Overview, Glossary, and Master Index | | 04/13/1998 00:41:06 |
| | \ws05324\ArtCollection\ipc.tm\DEC\unix\Introduction | | |
| 3 | p73-mosberger.pdf | 12/23/1997 21:41:44 | \ws05324\ArtCollection\acm\comm\1996 |
| 3 | The File System Belongs in the Kernel | | 02/01/1998 02:28:16 |
| | \ws05324\ArtCollection\ipc.tm\os\SPRITE | | |
| 3 | The File System Belongs in the Kernel | | 02/01/1998 02:28:16 |
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| | \ws05324\ArtCollection\acm\PPOPP\1991 | | |
| 2 | AA-PS30C-TET1.pdf | 04/25/1998 00:56:04 | \ws05324\ArtCollection\ipc.tm\DEC\unix\Pro |
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| 2 | AA-PS30C-TET1.pdf | 04/25/1998 00:56:04 | \ws05324\ArtCollection\ipc.tm\DEC\unix\Pro |
| | \ws05324\ArtCollection\ipc.tm\os\MACH_OSF\VOL4 | | |
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| | Applications\Database Applications | | |
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| | | |
|---|--|---------------------|
| 2 | DEC OSF/1: System Administration | 04/25/1998 00:43:34 |
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| 2 | Extending Mach NORMA IPC and XMM to SMP Nodes | 10/22/1997 02:33:58 |
| 2 | gs.dvi | 04/02/1998 17:59:18 |
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| 2 | Implementation of a Portable Nested Data-Parallel Language | 03/11/1998 22:07:54 |
| 2 | MICROKERNEL MODULARITY WITH INTEGRATED KERNEL PERFORMANCE | 10/28/1997 01:2 |
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| 2 | os-benchmark.pdf | 02/01/1998 02:28:22 |
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| 2 | p27-abbott.pdf | 12/23/1997 21:01:17 |
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| 2 | Real Memory Mach | 10/22/1997 02:33:50 |
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| 2 | The Sprite Network Operating System | 02/01/1998 02:28:30 |
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| 2 | thesis.dvi | 10/22/1997 02:39:34 |
| 2 | thesis.dvi | 10/22/1997 02:39:34 |
| 2 | Using a Networked Mach IPC implemented in user-space with x-kernel | 10/28/1997 01:19:02 |
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1 A Hough transform algorithm with a 2D hypothesis testing key
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Pattern Recognition, 1992. Vol.III. Conference C: Image, Speech and
Signal Analysis, Proceedings., 11th IAPR International Conference on ,
Aug.-3 Sept. 1992
Pages:276 - 279

[\[Abstract\]](#) [\[PDF Full-Text \(296 KB\)\]](#) **IEEE CNF**

2 Architectural timing verification and test for super scalar processors
Bose, P.;
Fault-Tolerant Computing, 1994. FTCS-24. Digest of Papers.,
Twenty-Fourth International Symposium on , 15-17 June 1994
Pages:256 - 265

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3 An independent verification tool for multi-vendor Mode S airbus transponder conformance testing
Aartman, L.J.; van Heyningen, P.J.; Brun, P.; Ziegler, F.;
Digital Avionics Systems Conference, 2002. Proceedings. The 21st , Volume: 2 , 2002
Pages:12E5-1 - 12E5-11 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(1098 KB\)\]](#) **IEEE CNF**

4 The Star network computer: a heterogeneous computing system
Zievers, P.J.; Wu, C.-L.;
Computers and Communications, 1992. Conference Proceedings., Eleventh Annual International Phoenix Conference on , 1-3 April 1992
Pages:714 - 721

[\[Abstract\]](#) [\[PDF Full-Text \(536 KB\)\]](#) **IEEE CNF**

5 Exploiting loop-level parallelism on coarse-grained reconfigurable architectures using modulo scheduling
Mei, B.; Vernalde, S.; Verkest, D.; De Man, H.; Lauwereins, R.;
Computers and Digital Techniques, IEE Proceedings- , Volume: 150 , Issue: 5 , 22 Sept. 2003
Pages:255-61

[\[Abstract\]](#) [\[PDF Full-Text \(267 KB\)\]](#) **IEE JNL**

6 Exploiting loop-level parallelism on coarse-grained reconfigurable architectures using modulo scheduling
Bingfeng Mei; Vernalde, S.; Verkest, D.; De Man, H.; Lauwereins, R.;
Design, Automation and Test in Europe Conference and Exhibition, 2003
, 2003
Pages:296 - 301

[\[Abstract\]](#) [\[PDF Full-Text \(KB\)\]](#) **IEEE CNF**

7 DRESC: a retargetable compiler for coarse-grained reconfigurable architectures
Bingfeng Mei; Vernalde, S.; Verkest, D.; De Man, H.; Lauwereins, R.;
Field-Programmable Technology, 2002. (FPT). Proceedings. 2002 IEEE International Conference on , 16-18 Dec. 2002
Pages:166 - 173

[\[Abstract\]](#) [\[PDF Full-Text \(540 KB\)\]](#) **IEEE CNF**

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Relevance scale **1 [An explanatory and “argumentative” interface for a model-based diagnostic system](#)**

Christopher A. Miller, Raymond Larson

December 1992 **Proceedings of the 5th annual ACM symposium on User interface software and technology**Full text available:  [pdf\(916.12 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

That intelligent systems need an explanatory capability if they are to aid or support human users has long been understood. A system which can justify its decisions generally obtains improved user trust, greater accuracy in use and offers embedded training potential. Extensive work has been done to provide rule-based systems with explanatory interfaces, but little has been done to provide the same benefits for model-based systems. We develop an approach to organizing the presentation of lar ...

2 [Implementation of a diagnostic and troubleshooting multi-agent system for cellular networks](#)

Mahamat Guiagoussou, Said Soulhi

August 1999 **International Journal of Network Management**, Volume 9 Issue 4Full text available:  [pdf\(570.61 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This article presents the implementation of a maintenance application for cellular switching system using the multi-agent paradigm. The main philosophy behind the design of the multi-agent system is based on the TMN framework, where each agent can mapped with one or several TMN functional blocks. Copyright © 1999 John Wiley & Sons, Ltd.

3 [DORA:: CAD interface to automatic diagnostics](#)

R. W. Allen, M. M. Ervin-Willis, R. E. Tulloss

January 1982 **Proceedings of the nineteenth design automation conference**Full text available:  [pdf\(478.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper will discuss a family of CAD tools supporting automatic diagnosis and the usage of those tools in Western Electric Company (WECo) testing. The CAD tools described in this paper are part of a package developed at the Engineering Research Center (ERC), Princeton, New Jersey. The Diagnostic Organization and Retrieval Algorithms (DORA) System is a complex of programs which provide audited test programs and diagnostic data files from the results of LAMP (Logic Analyzer for Maintenance ...

4 [A Diagnostic Emulator for HEAO software development](#)

Peter H. Beer, Kenneth J. Hupf

August 1976 **Proceedings of the fourth symposium on Simulation of computer systems**

Full text available:  [pdf\(701.56 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Diagnostic Emulation is the application of microprogramming to the emulation of an operational computer to support software development and verification for that computer. A conventional technique, Interpretive Computer Simulation (ICS), has been used for many years in support of such software development and verification efforts. The ICS method is becoming less cost effective. For the development of attitude control software for NASA's High Energy Astronomical Observatory (HEAO) diagnostic ...

5 **Pictorial interfaces: Assisted browsing in a diagnostic image database**

A. F. Abate, M. Nappi, G. Tortora, M. Tucci

May 1996 **Proceedings of the workshop on Advanced visual interfaces**

Full text available:  [pdf\(2.66 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

The paper describes a significant part of an experimental system for producing digital medical images, processing them to extract suitable spatial indexes, and to store and retrieve by content such images in order to provide users with an assisted visual browser to navigate a distributed archive. A prerequisite for the system described in this paper is that a physician should be able to manipulate the diagnostic images by simple visual commands that allow content-based access. In particular, the ...

6 **Making the user interface disappear: the reactive room**

Jeremy R. Cooperstock

November 1995 **Proceedings of the 1995 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  [pdf\(197.12 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Ubiquitous computing is an attempt to simplify human-computer interaction by embedding computational power in everyday objects. The resulting technology is distributed yet invisible. This approach offers an appealing alternative to current complex user interfaces. However, invisible technology by itself may be unacceptable to most users. If ubiquitous computing is to gain acceptance, it must provide a seamless manual override mechanism and meaningful diagnostics. Our implementation of a computer- ...

7 **The network architecture of the Connection Machine CM-5 (extended abstract)**

Charles E. Leiserson, Zahi S. Abuhamdeh, David C. Douglas, Carl R. Feynman, Mahesh N. Ganmukhi, Jeffrey V. Hill, Daniel Hillis, Bradley C. Kuszmaul, Margaret A. St. Pierre, David S. Wells, Monica C. Wong, Shaw-Wen Yang, Robert Zak

June 1992 **Proceedings of the fourth annual ACM symposium on Parallel algorithms and architectures**

Full text available:  [pdf\(2.00 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

8 **Expert diagnostic system**

Gholam H. Khaksari

June 1988 **Proceedings of the first international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1**

Full text available:  [pdf\(499.05 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

9

An interactive diagnostic/debugging subsystem for bit-slice processors

F. J. Burkowski

December 1985 **ACM SIGMICRO Newsletter, Proceedings of the 18th annual workshop on Microprogramming**, Volume 16 Issue 4

Full text available:  pdf(827.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper discusses the design and implementation of a debugging/diagnostic subsystem for a bit-slice processor. The subsystem uses serial shadow registers under the control of a single chip microcomputer both to observe and to control processor behavior. Serial lines link the microcomputer to a diagnostic host which provides the user with a comprehensive set of interactive diagnostic commands. Using these commands, the user is able to load the writable control store, verify its contents, ...

10 An expert system for diagnosis and maintaining the AT&T 3B4000 computer: an architectural description

James A. Kavicky, George D. Kraft

June 1989 **Proceedings of the second international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1**

Full text available:  pdf(1.09 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Major computer vendors have concentrated on enhancing diagnostic and maintainability aspects of their computer systems to permit a prompt repair interval with a minimal amount of technical support interaction. This paper proposes an architectural description for an automated diagnostic and recovery expert system. The authors obtained sufficient domain knowledge of both the AT&T 3B4000 Computer and the AT&T technical support organization and chose the 3B4000 Computer as a vehicle for ...

11 Full Papers: Domain, task, and user models for an adaptive hypermedia performance support system

Peter Brusilovsky, David W. Cooper

January 2002 **Proceedings of the 7th international conference on Intelligent user interfaces**

Full text available:  pdf(725.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Electronic Performance Support Systems (EPSS) is a challenging application area for developing intelligent interfaces. Some possible scenarios for using domain, task, and user models for adaptive performance support were explored in the context of the Adaptive Diagnostics and Personalized Technical Support (ADAPTS) project. ADAPTS provides an intelligent, adaptive EPSS for maintaining complex equipment.

Keywords: adaptive hypermedia, adaptive presentation, domain model, performance support, task model, user model

12 Towards automatic evaluation of multimodal user interfaces

Sandrine Balbo, Joëlle Coutaz, Daniel Salber

February 1993 **Proceedings of the 1st international conference on Intelligent user interfaces**

Full text available:  pdf(807.76 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Wizard of Oz, capture of behavioral data, multimodal user interface, user interface evaluation techniques

13 Dynamic fault collapsing and diagnostic test pattern generation for sequential circuits

Vamsi Boppana, W. Kent Fuchs

November 1998 **Proceedings of the 1998 IEEE/ACM international conference on Computer-aided design**Full text available:  [pdf\(877.59 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)**14 A programmable interface language for heterogeneous distributed systems**

Joseph R. Falcone

October 1987 **ACM Transactions on Computer Systems (TOCS)**, Volume 5 Issue 4Full text available:  [pdf\(1.77 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The 1980s have witnessed the emergence of a new architecture for computing based on networks of personal computer workstations. The performance requirements of such systems of workstations places a strain on traditional approaches to network architecture. The integration of diverse systems into this environment introduces functional compatibility issues that are not present in homogeneous networks. Effective prescriptions for functional compatibility, therefore, must go beyond the communica ...

15 An applied ethnographic method for redesigning user interfaces

Anne Rose, Ben Shneiderman, Catherine Plaisant

August 1995 **Proceedings of the conference on Designing interactive systems: processes, practices, methods, & techniques**Full text available:  [pdf\(897.70 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**16 Assessing software maintainability**

Gerald M. Berns

January 1984 **Communications of the ACM**, Volume 27 Issue 1Full text available:  [pdf\(781.11 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

How easy is it to maintain a program? To a large extent, that depends on how difficult the program is to understand. A technique to measure program difficulty yields encouraging results.

Keywords: Fortran programs, debugging aids, maintainability measures, program maintainability

17 Automatic generation of diagnostic programs for TOSBAC - 5400/150

Akira Miyoshi

June 1973 **Proceedings of the tenth design automation workshop on Design automation**Full text available:  [pdf\(611.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Because the computer is playing an increasing important role in the community, its availability has become an essential and inherent factor. The availability of a computer is defined by the formula: availability ≡ $100 \times \text{MTBF}/(\text{MTBF} + \text{MTTR})$ (%) where MTBF ≡ mean time between failures MTTR ≡ mean time to repair. The techniques for components such as MSI, LSI and IC and for manufacturing have drastically improved the MTBF during the relativ ...

Developments in simulation and instrumentation: Web100: extended TCP instrumentation for research, education and diagnosis

Matt Mathis, John Heffner, Raghu Reddy

July 2003 **ACM SIGCOMM Computer Communication Review**, Volume 33 Issue 3

Full text available:  [pdf\(215.29 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

TCP has become the dominant protocol for all network data transport because it presents a simple uniform data delivery service which is sufficient for most applications over all types of lower network layers. By its very nature, TCP's adaption and retransmission strategies hide all of the details of the lower layers from the application. For example the only symptom of spurious packet loss (or nearly any other network problem) is longer elapsed time and lower performance. This information hiding ...

Keywords: Net100, TCP Performance, Web100, instrumentation

19 An implementation of microdiagnostics on the ECLIPSE® MV/8000

Paul Reilly, Elizabeth Shanahan, Steven Staudaher

November 1980 **Proceedings of the 13th annual workshop on Microprogramming**

Full text available:  [pdf\(388.32 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The effectiveness of using a microcoded Independent Diagnostic Instruction Set for the development, manufacturing and field support of the 32-bit ECLIPSE® MV/8000 data processing system is demonstrated. A separate Diagnostic Processor with a simple operating system and microcode debugging facility is used to aid in this task.

20 Multilingual programming: Coordinating programs, user interfaces, on-line help and documentation

Gary Perlman

February 1986 **Proceedings of the 4th annual international conference on Systems documentation**

Full text available:  [pdf\(877.29 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The high cost of software is not due to the difficulty of coding, but in recoding and redocumenting software. This can be better understood when one considers how many expressions of the same ideas must be constructed and coordinated. Program code and comments, user interface and on-line help, and a variety of off-line documents, all must be consistent. A solution to the coordination problem is presented in this paper. Multilingual programming is a method of developing software that uses a ...

Results 1 - 20 of 200

Result page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [next](#)

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